

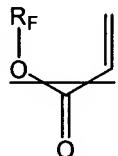
**In the Claims**

1. (currently amended): A composition comprising an R<sub>F</sub>-monomer, wherein R<sub>F</sub> comprises at least two three -CF<sub>3</sub> groups and at least two hydrogens.
  2. (Original) The composition of claim 1 wherein R<sub>F</sub> comprises at least one -CH<sub>2</sub>- group.
  3. (Original) The composition of claim 1 wherein R<sub>F</sub> comprises at least one cyclic group.
  4. (Original) The composition of claim 1 wherein R<sub>F</sub> comprises at least one aromatic group.
- 5-6 (cancelled).
7. (Original) The composition of claim 1 wherein R<sub>F</sub> comprises at least two (CF<sub>3</sub>)<sub>2</sub>CF- groups.
  8. (Original) The composition of claim 1 wherein R<sub>F</sub> comprises at least four carbons and one of the four carbons comprises a -CH<sub>2</sub>- group.
  9. (Original) The composition of claim 1 wherein the R<sub>F</sub>-monomer comprises R<sub>F</sub>-Q<sub>M</sub>, wherein the Q<sub>M</sub> portion comprises a group configured to react with another monomer to form at least a portion of an oligomer.

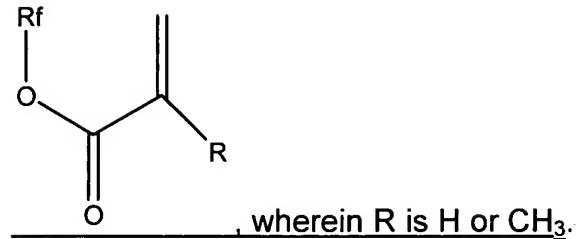
10. (Original) The composition of claim 9 wherein the Q<sub>M</sub> portion comprises an olefin.

11. (Original) The composition of claim 10 wherein the  $R_F-Q_M$  is  $R_F\text{--}\text{C}=\text{C}$ .

12. (Original) The composition of claim 9 wherein the Q<sub>M</sub> portion comprises an acrylate.

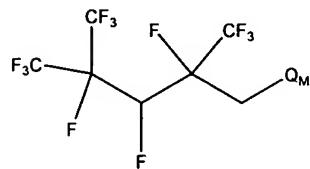


13. (currently amended): The composition of claim 12 wherein the R<sub>F</sub>-Q<sub>M</sub> is

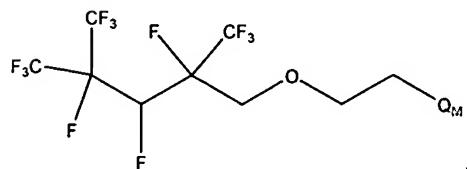


14-15 (cancelled).

16. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is

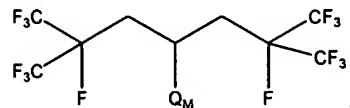


17. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is

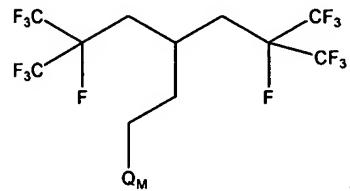


18-19 (cancelled).

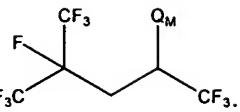
20. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is



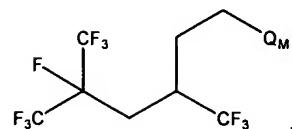
21. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is



22. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is

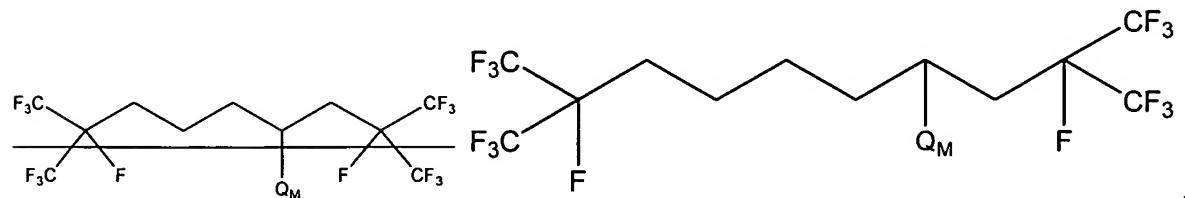


23. (Original) The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is

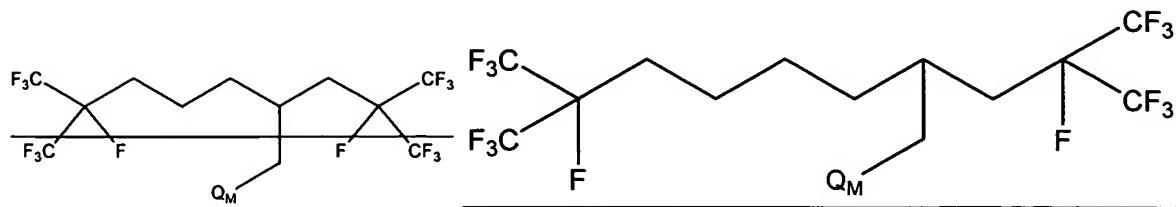


24-25 (cancelled).

26. (currently amended): The composition of claim 9 wherein the R<sub>F</sub>-Q<sub>M</sub> is



27. (currently amended): The composition of claim 9 wherein the  $R_F-Q_M$  is



28-29 (cancelled).

30. (Original) A composition comprising a  $R_F$ -monomer unit, wherein  $R_F$  comprises a pendant group of the monomer unit, the pendant group comprising at least two  $-CF_3$  groups and at least two hydrogens.

31. (Original) The composition of claim 30 wherein the  $R_F$ -monomer unit comprises  $R_F-Q_{MU}$ ,  $Q_{MU}$  comprising a remainder of the monomer unit.

32. (Original) The composition of claim 30 wherein the pendant group comprises at least one  $-CH_2-$  group.

33. (Original) The composition of claim 30 wherein the pendant group comprises at least one cyclic group.

34. (Original) The composition of claim 30 wherein the pendant group comprises at least one aromatic group.

35. (Original) The composition of claim 30 wherein the pendant group comprises at least one  $(CF_3)_2CF-$  group.

36. (Original) The composition of claim 30 wherein the pendant group comprises at least three -CF<sub>3</sub> groups.

37. (Original) The composition of claim 30 wherein the pendant group comprises at least two (CF<sub>3</sub>)<sub>2</sub>CF- groups.

38. (Original) The composition of claim 30 wherein the pendant group comprises at least four carbons and one of the four carbons comprises a -CH<sub>2</sub>- group.

39. (Original) The composition of claim 30 wherein the composition comprises an acrylic and the R<sub>F</sub>-Q<sub>MU</sub> is a monomer unit of the acrylic.

40. (Original) The composition of claim 30 wherein the composition comprises a resin and the R<sub>F</sub>-Q<sub>MU</sub> is a monomer unit of the resin.

41. (Original) The composition of claim 40 wherein the resin comprises a polyurethane resin.

42. (Original) The composition of claim 30 wherein the composition comprises a polymer and the R<sub>F</sub>-Q<sub>MU</sub> is a monomer unit of the polymer.

43. (Original) The composition of claim 42 wherein the polymer comprises a copolymer.

44. (Original) The composition of claim 42 wherein the polymer comprises a block polymer.

45. (currently amended): A composition comprising a R<sub>F</sub>-metal-complex R<sub>E-</sub>composition, R<sub>F</sub> comprising at least two -CF<sub>3</sub> groups and the composition comprises one or more of a metal complex, a phosphate ester, a glycol, and a urethane.

46. (currently amended): The composition of claim 45 wherein the R<sub>F</sub>-metal-complex R<sub>E-composition</sub> comprises R<sub>F</sub>-Q<sub>MC</sub>, Q<sub>MC</sub> comprising a remainder of the a metal complex.

47. (Original) The composition of claim 46 wherein R<sub>F</sub> comprises at least one -CH<sub>2</sub>- group.

48. (Original) The composition of claim 46 wherein R<sub>F</sub> comprises at least one cyclic group.

49. (Original) The composition of claim 46 wherein the cyclic group comprises an aromatic group.

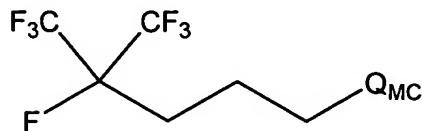
50. (Original) The composition of claim 46 wherein R<sub>F</sub> comprises at least one (CF<sub>3</sub>)<sub>2</sub>CF- group.

51. (Original) The composition of claim 46 wherein R<sub>F</sub> comprises at least three -CF<sub>3</sub> groups.

52. (Original) The composition of claim 46 wherein R<sub>F</sub> comprises at least two (CF<sub>3</sub>)<sub>2</sub>CF- groups.

53. (Original) The composition of claim 46 wherein  $R_F$  comprises at least four carbons and one of the four carbons comprises a  $-CH_2-$  group.

54. (currently amended): The composition of claim 45 46 wherein  $R_F-Q_{MC}$ , is



55. (currently amended): The composition of claim 45 wherein the  $Q_C$  comprises a metal complex comprises complex, the metal complex comprising a metal and a ligand, the ligand comprising  $R_F-Q_g$ , wherein:

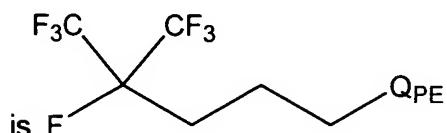
$R_F$  comprises at least two  $-CF_3$  groups and at least two hydrogens; and

$Q_g$  is coordinated with the metal of the complex.

56-63 (cancelled).

64. (currently amended): The composition of claim 56 45 wherein the  $R_F$ -phosphate ester  $R_F$ -composition comprises  $R_F-Q_{PE}$ ,  $Q_{PE}$  comprising a remainder of the a phosphate ester.

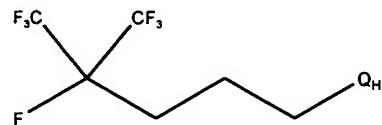
65. (Original) The composition of claim 64 wherein  $R_F-Q_{PE}$



66-73 (cancelled).

74. (currently amended): The composition of claim 66 45 wherein the R<sub>F</sub>-glycol  
R<sub>F</sub>-composition comprises R<sub>F</sub>-Q<sub>H</sub>, Q<sub>H</sub> comprising a remainder of the a glycol.

75. (Original) The composition of claim 74 wherein R<sub>F</sub>-Q<sub>H</sub> is



76-82 (cancelled).

83. (currently amended) The composition of claim 76 45 wherein the R<sub>F</sub>-urethane  
R<sub>F</sub>-composition comprises R<sub>F</sub>-Q<sub>U</sub>, Q<sub>U</sub> comprising a remainder of the a urethane.

84. (Original) The composition of claim 83 wherein R<sub>F</sub>-Q<sub>U</sub>

